

Dr. Ellen Reisinger
Molecular Biology of Cochlear Neurotransmission Group
InnerEarLab
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Open Position

The Group for Molecular Biology of Cochlear Neurotransmission within the Department for Otorhinolaryngology is offering a position for a PhD student in the field of

Biochemistry, Neurobiology, Molecular Biology or a related life science subject.

The position with 65% of the regular working time will start as soon as possible and initially lasts for three years. The salary is according to TV-L (65%).

Your Profile:

Applicants are expected to have completed university studies in a life science discipline and should have a strong background in biochemistry, molecular biology, neurosciences, molecular medicine and/or biophysics. Practical experience in molecular biology such as cloning, in protein biochemistry, in cell culture work, in immunohistochemistry and in electrophysiology would be beneficial. Very good English skills for oral and written presentations are expected.

The InnerEarLab (www.innerearlab.uni-goettingen.de) is an internationally highly recognized lab for studying the signal transduction from sensory hair cells of the inner ear to subsequent neurons. We use molecular manipulation and electrophysiology to elucidate the function of inner hair cells, the hair cell synapses and the sound encoding in the auditory nerve in wild type and mutant mice. These techniques include single cell quantitative PCR, protein biochemistry, recordings of the postsynaptic boutons as well as single unit recordings of the auditory nerve.

The position will be part of the Molecular Biology of Cochlear Neurotransmission Research Group of Dr. Ellen Reisinger and is financed by the German Research Foundation (DFG) within the collaborative research consortium (SFB) 889, project A4. The group is interested in the molecular mechanism of hair cell exocytosis with a focus on the function and regulation of otoferlin, which is defective in a form of human deafness (e.g. Pangrsic *et al.*, Nat

Neurosci 2010; Helfmann *et al.*, J. Mol Biol 2011; Reisinger *et al.* J. Neuroscience 2011). In the current project, we aim to study protein interactions and posttranslational modifications of otoferlin using molecular biology, cell culture, biochemical, immunohistochemical and electrophysiological methods.

Women are especially encouraged to apply. Handicapped applicants with equal qualifications will be given preferential treatment.

We look forward to receiving your application by June 15th 2015.

Please send your applications as a single pdf file to
Ellen.reisinger@medizin.uni-goettingen.de